systems can generally be integrated together in a single software product or packaged into multiple software products.

[0121] As used in this specification and any claims of this application, the terms "base station", "receiver", "computer", "server", "processor", and "memory" all refer to electronic or other technological devices. These terms exclude people or groups of people. For the purposes of the specification, the terms "display" or "displaying" means displaying on an electronic device.

[0122] As used herein, the phrase "at least one of" preceding a series of items, with the term "and" or "or" to separate any of the items, modifies the list as a whole, rather than each member of the list (i.e., each item). The phrase "at least one of" does not require selection of at least one of each item listed; rather, the phrase allows a meaning that includes at least one of any one of the items, and/or at least one of any combination of the items, and/or at least one of A, B, and C" or "at least one of A, B, or C" each refer to only A, only B, or only C; any combination of A, B, and C; and/or at least one of each of A, B, and C.

[0123] The predicate words "configured to", "operable to", and "programmed to" do not imply any particular tangible or intangible modification of a subject, but, rather, are intended to be used interchangeably. In one or more implementations, a processor configured to monitor and control an operation or a component may also mean the processor being programmed to monitor and control the operation or the processor being operable to monitor and control the operation. Likewise, a processor configured to execute code can be construed as a processor programmed to execute code or operable to execute code.

[0124] Phrases such as an aspect, the aspect, another aspect, some aspects, one or more aspects, an implementation, the implementation, another implementation, some implementations, one or more implementations, an embodiment, the embodiment, another embodiment, some implementations, one or more implementations, a configuration, the configuration, another configuration, some configurations, one or more configurations, the subject technology, the disclosure, the present disclosure, other variations thereof and alike are for convenience and do not imply that a disclosure relating to such phrase(s) is essential to the subject technology or that such disclosure applies to all configurations of the subject technology. A disclosure relating to such phrase(s) may apply to all configurations, or one or more configurations. A disclosure relating to such phrase (s) may provide one or more examples. A phrase such as an aspect or some aspects may refer to one or more aspects and vice versa, and this applies similarly to other foregoing

[0125] The word "exemplary" is used herein to mean "serving as an example, instance, or illustration". Any embodiment described herein as "exemplary" or as an "example" is not necessarily to be construed as preferred or advantageous over other implementations. Furthermore, to the extent that the term "include", "have", or the like is used in the description or the claims, such term is intended to be inclusive in a manner similar to the term "comprise" as "comprise" is interpreted when employed as a transitional word in a claim.

[0126] All structural and functional equivalents to the elements of the various aspects described throughout this

disclosure that are known or later come to be known to those of ordinary skill in the art are expressly incorporated herein by reference and are intended to be encompassed by the claims. Moreover, nothing disclosed herein is intended to be dedicated to the public regardless of whether such disclosure is explicitly recited in the claims. No claim element is to be construed under the provisions of 35 U.S.C. § 112, sixth paragraph, unless the element is expressly recited using the phrase "means for" or, in the case of a method claim, the element is recited using the phrase "step for".

[0127] The previous description is provided to enable any person skilled in the art to practice the various aspects described herein. Various modifications to these aspects will be readily apparent to those skilled in the art, and the generic principles defined herein may be applied to other aspects. Thus, the claims are not intended to be limited to the aspects shown herein, but are to be accorded the full scope consistent with the language claims, wherein reference to an element in the singular is not intended to mean "one and only one" unless specifically so stated, but rather "one or more". Unless specifically stated otherwise, the term "some" refers to one or more. Pronouns in the masculine (e.g., his) include the feminine and neuter gender (e.g., her and its) and vice versa. Headings and subheadings, if any, are used for convenience only and do not limit the subject disclosure.

What is claimed is:

1. A method, comprising:

receiving an estimated position of a first device based on a positioning system comprising a Global Navigation Satellite System (GNSS) satellite;

receiving a set of parameters associated with the estimated position, the set of parameters comprising at least one parameter corresponding to a position of the first device relative to the GNSS satellite;

receiving a reference position of the first device based on a reference positioning system;

generating a machine learning model based on the estimated position, the reference position and the set of parameters; and

providing the machine learning model to estimate device location based on a subsequent position provided by the positioning system.

- 2. The method of claim 1, wherein the subsequent position is for a second device.
- 3. The method of claim 2, wherein providing the machine learning model comprises providing the machine learning model to the second device, for local storage on the second device.
- **4**. The method of claim **1**, wherein the subsequent position and an output from the machine learning model are provided to a Kalman filter to estimate device location.
- **5**. The method of claim **4**, wherein the output from the machine learning model indicates an amount of uncertainty for the subsequent position.
- **6**. The method of claim **4**, wherein the output from the machine learning model indicates an amount of uncertainty for a measurement used for device positioning.
- 7. The method of claim 4, wherein the output from the machine learning model indicates a revised measurement for the subsequent position.
- **8**. The method of claim **4**, wherein the output from the machine learning model indicates an order to use the subsequent position in the Kalman filter, relative to other measurements used in the Kalman filter.